

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Akihiko TANIGAKI et al. : **Mail Stop: PCT**
Serial No. NEW : Attorney Docket No. 2004_1242A
Filed August 24, 2004 :

DESCALING NOZZLE
[Corresponding to PCT/JP03/16137
Filed December 17, 2003]

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

☒ each U.S. Patent and U.S. Patent application publication (*for U.S. National applications filed after June 30, 2003 and International applications that have entered U.S. National Stage after June 30, 2003*),

☐ each reference previously cited in the international application PCT/_____; and/or

☐ each reference previously cited in prior parent application Serial No. _____.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

ATTACHMENT "D"

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☒ a full or partial English language translation (**references AE-AF**) submitted herewith,
 - b. ☒ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☒ the concise explanation (**references AG-AL**) contained in the specification of the present application at pages 1-5,
 - d. ☒ the concise explanation set forth in the attached English language abstract,
 - e. ☒ the concise explanation set forth below or on a separate sheet attached to the reference:

JP 9-94486 corresponds to EP 0 792 692.

5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Akihiko TANIGAKI et al.

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August 24, 2004

FORM PTO 1449 (modified)

ATTY DOCKET NO.
2004_1242ASERIAL NO.
NEW

10/505478

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)APPLICANT
Akihiko TANIGAKI et al.

Date Submitted to PTO: August 24, 2004

FILING DATE
August 24, 2004

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,848,672	7/1989	Matsumoto et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AB	0 792 692	9/1997	EP				
	AC	1 046 426	10/2000	EP			Abstract	
	AD	2000-263124	9/2000	JP			Abstract	
	AE	29 27 737	9/1981	DE			Partial	
	AF	92 17 671	2/1993	DE			Partial	
	AG	8-024937	1/1996	JP			Abstract	
	AH	2000-334335	10/2000	JP			Abstract	
	AI	2000-263124	9/2000	JP			Abstract	
	AJ	1-111464	4/1989	JP			Abstract	
	AK	6-73697	9/1994	JP				
	AL	9-094486	4/1997	JP			Abstract	

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AM	Kunzmann, G., entitled "HYDRAULIC SCALE REMOVAL FROM HOT-ROLLED METAL ", Steel in Translation, The Institute of Materials, London, GB, vol. 31, no. 8, 2001, pages 56-59, XP001144128.
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EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.